AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims

in this application.

LISTING OF CLAIMS:

Claims 1-30 (Canceled)

31. (Previously Presented) A method for the preparation of an aqueous

suspension of precipitated silica, having a solids content between 10 and 40% by weight, a

viscosity lower than $4x10^{-2}$ Pa·s at a shear rate of 50 s⁻¹ and wherein the amount of silica

present in the supernatant obtained after centrifuging said suspension at 7500 revolutions

per minute for 30 minutes represents more than 50% of the weight of the silica present in

the suspension, consisting of the steps of:

(A) precipitating silica by reacting an acidifying agent with an alkali metal (M)

silicate, by:

(i) providing an initial base stock of a proportion of the total amount of the

alkali metal silicate introduced into the reaction, the silicate concentration expressed as SiO2

in said base stock being lower than 20 g/l,

(ii) adding said acidifying agent to said initial base stock until at least 5 %

of the amount of M₂O present in said initial base stock is neutralized,

Attorney's Docket No. <u>004900-148</u> Application No. <u>08/765,901</u>

Page 3

- (iii) adding said acidifying agent to the reaction mixture simultaneously with the remaining amount of alkali metal silicate such that the ratio (amount of silica added)/(amount of silica present in the initial base stock) is between 10 and 100;
- (B) separating from the reaction mixture a precipitation cake which has a solids content of between 10 and 40%, and, optionally, adding to said precipitation cake, an amount of silica powder such that the solids content of the silica-enriched cake is between 10 and 40%; and
- (C) deagglomerating said cake to obtain a suspension of low viscosity and wherein said deagglomerating is conducted under conditions that result in a silica suspension which has a stability such that the amount of silica in the supernatant obtained after centrifuging said suspension at 7500 revolutions per minute for 30 minutes represents more than 50% of the weight of the silica initially present in the suspension.
- 32. (Previously Presented) A method according to Claim 31, wherein, after step (B), an amount of silica powder is added to said precipitation cake, such that the solids content of the silica-enriched cake is between 10 and 40%.
- 33. (Previously Presented) A method according to Claim 31, wherein, in step (C), the dilution of said precipitation cake is performed with water.

Attorney's Docket No. <u>004900-148</u> Application No. <u>08/765,901</u>

Page 4

- 34. (Previously Presented) A method according to Claim 31, wherein, in step (C), mechanical crumbling of said precipitation cake is performed by a wet grinding process or by an ultrasonic treatment.
- 35. (Previously Presented) A method according to Claim 31, wherein, in step (C), a chemical crumbling is performed simultaneously with a mechanical crumbling, said chemical crumbling being carried out by acidifying the silica suspension to a pH lower than 4.
- 36. (Previously Presented) A method according to Claim 31, wherein, in step (C), a chemical crumbling is performed conjointly with a mechanical crumbling, said chemical crumbling being carried out by introducing sulphuric acid and sodium aluminate simultaneously so that the pH of the suspension remains between 6 and 7 and the Al/SiO₂ weight ratio is between 1000 and 3300 ppm.
- 37. (Previously Presented) A method according to Claim 31, wherein, in step A (iii), sulphuric acid and sodium aluminate are simultaneously added to the reaction mixture, so that the pH of the mixture remains between 6 and 7 and the Al/SiO₂ weight ratio is between 1000 and 3300 ppm, before proceeding to step (B).

- 38. (Previously Presented) A method according to Claim 31, wherein, in step (C),
- (i) said precipitation cake is washed with one or more organic solvents and the cake thus washed is dried to obtain a silica powder, and
- (ii) an amount of the said silica powder is suspended in water, such that the silica content of the final suspension is between 10 and 40%.
- 39. (Previously Presented) A method for the preparation of an aqueous suspension of precipitated silica, having solids content of between 10 and 40% by weight, which viscosity is lower than $4x10^{-2}$ Pa·s at a shear rate of 50 s⁻¹ and wherein the amount of silica present in the supernatant obtained after centrifuging the said suspension at 7500 revolutions per minute for 30 minutes represents more than 50 % of the weight of the silica present in the suspension, consisting of the steps of:
- (A) precipitating silica by reacting an acidifying agent with an alkali metal (M) silicate, by:
- (i) providing an initial base stock of at least a proportion of the total amount of the alkali metal silicate to be introduced into the reaction, and an electrolyte, the silicate concentration, expressed as SiO_2 in the said initial base stock being lower than 100 g/l and the electrolyte concentration in the said initial base stock being lower than 17 g/l;
- (ii) adding the acidifying agent to said base stock until a pH value of the reaction mixture of at least approximately 7 is obtained;

Attorney's Docket No. 004900-148

Application No. <u>08/765,901</u>

Page 6

(iii) when only a proportion of the silicate is provided by the initial base stock, adding simultaneously the acidifying and the remaining amount of the silicate to the reaction mixture;

- (B) separating from the reaction mixture a precipitation cake which has a solids content of between 10 and 40%, and, optionally, adding to said precipitation cake, an amount of silica powder such that the solids content of the silica-enriched cake is between 10 and 40%; and
- (C) deagglomerating said cake to obtain a suspension of agglomerates having a median diameter D_{50} smaller than 5 μ m, whereby a suspension of low viscosity is provided and wherein said deagglomerating is conducted under conditions that result in a silica suspension which possesses a stability such that the amount of silica in the supernatant obtained after centrifuging said suspension at 7500 revolutions per minute for 30 minutes represents more than 50% of the weight of the silica initially present in the suspension.
- 40. (Previously Presented) A method according to Claim 39, wherein, after step (B), an amount of silica powder is added to said precipitation cake, such that the solids content of the silica-enriched cake is between 10 and 40%.
- 41. (Previously Presented) A method according to Claim 39, wherein, in step (C), the dilution of said precipitation cake is performed with water.

- 42. (Previously Presented) A method according to Claim 39, wherein, in step (C), mechanical crumbling of said precipitation cake is performed by a wet grinding process or by an ultrasonic treatment.
- 43. (Previously Presented) A method according to Claim 39, wherein, in step (C), a chemical crumbling is performed simultaneously with a mechanical crumbling, said chemical crumbling being carried out by acidifying the silica suspension to a pH lower than 4.
- 44. (Previously Presented) A method according to Claim 39, wherein, in step (C), a chemical crumbling is performed conjointly with a mechanical crumbling, said chemical crumbling being carried out by introducing sulphuric acid and sodium aluminate simultaneously so that the pH of the suspension remains between 6 and 7 and the Al/SiO₂ weight ratio is between 1000 and 3300 ppm.
- 45. (Currently Amended) A method according to Claim 39 A method for the preparation of an aqueous suspension of precipitated silica, having solids content of between 10 and 40% by weight, which viscosity is lower than 4×10^{-2} Pa·s at a shear rate of 50 s^{-1} and wherein the amount of silica present in the supernatant obtained after centrifuging the said suspension at 7500 revolutions per minute for 30 minutes represents more than 50% of the weight of the silica present in the suspension, consisting of the steps of:

- (A) precipitating silica by reacting an acidifying agent with an alkali metal (M) silicate, by:
- (i) providing an initial base stock of at least a proportion of the total amount of the alkali metal silicate to be introduced into the reaction, and an electrolyte, the silicate concentration, expressed as SiO₂ in the said initial base stock being lower than 100 g/l and the electrolyte concentration in the said initial base stock being lower than 17 g/l;
- (ii) adding the acidifying agent to said base stock until a pH value of the reaction mixture of at least approximately 7 is obtained;
- (iii) when only a proportion of the silicate is provided by the initial base stock, adding simultaneously the acidifying and the remaining amount of the silicate to the reaction mixture, wherein [[, in step A (iii),]] sulphuric acid and sodium aluminate are simultaneously added to the reaction mixture, so that the pH of the mixture remains between 6 and 7 and the Al/SiO₂ weight ratio is between 1000 and 3300 ppm, before proceeding to step (B);
- (B) separating from the reaction mixture a precipitation cake which has a solids content of between 10 and 40%, and, optionally, adding to said precipitation cake, an amount of silica powder such that the solids content of the silica-enriched cake is between 10 and 40%; and
- (C) deagglomerating said cake to obtain a suspension of agglomerates having a median diameter D_{50} smaller than 5 μ m, whereby a suspension of low viscosity is provided and wherein said deagglomerating is conducted under conditions that result in a silica

suspension which possesses a stability such that the amount of silica in the supernatant obtained after centrifuging said suspension at 7500 revolutions per minute for 30 minutes represents more than 50% of the weight of the silica initially present in the suspension.

- 46. (Previously Presented) A method according to Claim 39, wherein, in step (C),
- (i) the said precipitation cake is washed with one or more organic solvents and the cake thus washed is dried to obtain a silica powder, and
- (ii) an amount of the said silica powder is suspended in water, such that the solids content of the final suspension is between 10 and 40 %.

Claims 47-49 (Canceled)

50. (Previously Presented) A method for the preparation of an aqueous suspension of precipitated silica, having a solids content between 10 and 40% by weight, a viscosity lower than $4x10^{-2}$ Pa·s at a shear rate of 50 s⁻¹ and wherein the amount of silica present in the supernatant obtained after centrifuging said suspension at 7500 revolutions per minute for 30 minutes represents more than 50% of the weight of the silica present in the suspension, said preparation method excluding the addition of an electrolyte, comprising the steps of:

- (A) precipitating silica by reacting an acidifying agent with an alkali metal (M) silicate, by:
- (i) providing an initial base stock of a proportion of the total amount of the alkali metal silicate introduced into the reaction, the silicate concentration expressed as SiO_2 in said base stock being lower than 20 g/l,
- (ii) adding said acidifying agent to said initial base stock until at least 5 % of the amount of M₂O present in said initial base stock is neutralized,
- (iii) adding said acidifying agent to the reaction mixture simultaneously with the remaining amount of alkali metal silicate such that the ratio (amount of silica added)/(amount of silica present in the initial base stock) is between 10 and 100, and wherein;
- (B) separating from the reaction mixture a precipitation cake which has a solids content of between 10 and 40%, and, optionally, adding to said precipitation cake, an amount of silica powder such that the solids content of the silica-enriched cake is between 10 and 40%; and
- (C) deagglomerating the said cake to obtain a suspension of low viscosity and wherein said deagglomerating is conducted under conditions that result in a silica suspension which has a stability such that the amount of silica in the supernatant obtained after centrifuging said suspension at 7500 revolutions per minute for 30 minutes represents more than 50% of the weight of the silica initially present in the suspension.

Claim 51 (Canceled)

- 52. (Previously Presented) A method for the preparation of an aqueous suspension of precipitated silica, having solids content of between 10 and 40% by weight, which viscosity is lower than $4x10^{-2}$ Pa·s at a shear rate of 50 s⁻¹ and wherein the amount of silica present in the supernatant obtained after centrifuging the said suspension at 7500 revolutions per minute for 30 minutes represents more than 50 % of the weight of the silica present in the suspension, said preparation method excluding the addition of an electrolyte, comprising the steps of:
- (A) precipitating silica by reacting an acidifying agent with an alkali metal (M) silicate, by:
- (i) providing an initial base stock of at least a proportion of the total amount of the alkali metal silicate to be introduced into the reaction, the silicate concentration, expressed as SiO_2 in the said initial base stock being lower than 100 g/l;
- (ii) adding the acidifying agent to said base stock until a pH value of the reaction mixture of at least approximately 7 is obtained;
- (iii) when only a proportion of the silicate is provided by the initial base stock, adding simultaneously the acidifying and the remaining amount of the silicate to the reaction mixture;
- (B) separating from the reaction mixture a precipitation cake which has a solids content of between 10 and 40%, and, optionally, adding to said precipitation cake, an

Attorney's Docket No. <u>004900-148</u>

Application No. <u>08/765,901</u>

Page 12

amount of silica powder such that the solids content of the silica-enriched cake is between

10 and 40%; and

(C) deagglomerating said cake to obtain a suspension of agglomerates having a

median diameter D_{50} smaller than 5 μm , whereby a suspension of low viscosity is provided

and wherein said deagglomerating is conducted under conditions that result in a silica

suspension which possesses a stability such that the amount of silica in the supernatant

obtained after centrifuging said suspension at 7500 revolutions per minute for 30 minutes

represents more than 50% of the weight of the silica initially present in the suspension.

Claim 53 (Canceled)